



WINDOW ON ANOTHER WORLD

REOPENING EDIT.

This month is Ladies Month. You may well ask why is that, because not so many Ladies work in computers, well, that is just what you think!

That is going to be easy for the next two months as we told you in last month Newsletter. The Newsletter has been left in the hands of... yous... the Ladies of the Club. Together myself and Ladies of I.E. have spent 2000hrs of time on this Newsletter, just to show the guys that we can also do something worthwhile

You're probably asking yourself just who I am. Well I am one of the Lady students who works at I.E. part-time. I have agreed to do the Newsletter for the next two months, and to show the guys that they must not underestimate us girls! So, by the way we name is Anna.

This month the Newsletter takes on a new look, with Colourful Pictures, lots of pictures, reviews on software and hardware and a very special welcome to all our new members. This welcome includes very SPECIAL offers which are available to ALL of our members, both old and new. But, for the new members it will be a special surprise because of the remarkable prices. Well, we hope so!

The Newsletter is not just about writing, there are also exciting competitions, and if you are an article worth publishing, then we will reward you with your efforts with a gift voucher of either \$5, \$10 or \$15.

Well now enough gassing, lets get on with it!

SYNCLAIR TRS-80

SERIAL #:

The #1 inputs the commands through #0. By re-opening #0 you can make QBasic input its commands from other sources eg. the QBasic .bas file letting another computer control your #0, or the REMOTEFILE as in this example.

This can be used to write a small program that can be executed the user of this would be to anticipate program start execution would normally stop when a user program is loaded.

The following can be typed in, In program form.

First "Enter" your "program" on alternate

```
OPEN #0,1001,prog,000
PRINT #0,"LOAD 1001,prog"
PRINT #0,"LIST"
PRINT #0,"QBasic 1001,prog"
PRINT #0,"END"
PRINT #0,"FOLLOW ME DIRE 40,000."
CLOSE #0
```



The next time the command "CLOSE #0,FOLLOW ME,000," is run last command this command won't be run this time. This is because when you close #0 it does not have access to find the next command, if it is on the line, it loads the line into the execution buffer and it runs #0 before it has to read #0 again.

Now you just save the program as program and program! Then you can execute your "program".

```
CLOSE #0,1001,00,prog,00
```

A listing of program should appear and then program should run. This can be done in other ways but this was just a demonstration.

KEYBOARD:

QBasic has a keyboard "REMFILE", these word will act like REMarks. You can use it by just typing and it will treat it as REMARK. QBasic automatically takes care to ignore a set of bytes that it does not recognise. I came across this keyboard when I took over my Spectrum while it was loading!!!

KEYWORD IN SET

In the chart for the KEYWORD command, in the Q0 user guide (Keyboard section), my KEYWORD option was blank. This was supposed to be the letter "D". This mistake might be a mistake in my guide only. If not this tip might help you.

TO ALL SPECTRUM AND QL OWNERS.....

DO YOU HAVE A SPECTRUM WITH A TEL INTERFACE AND A SLI?

THIS IS FOR YOU.....

USE SUPERMEDIA READER TO RECOVER CORRUPTED FILES FROM YOUR TEL SYSTEM.

SIMPLY LOAD SUPER MEDIA READER (AVAILABLE FROM 1.6.0) INTO YOUR QL.

LOAD THE CORRUPTED SPECTRUM DISK INTO THE QL SYSTEM AND USE THE FUNCTIONS FROM S.M.R. TO RETRIEVE THE CORRUPTED FILES. NOTIC!

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\$100.00

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**WANT TO BUY
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OR GAMES?
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THE CHARTS

BUDGET TOP TEN

			PRICE	SET	CAR
1	(10) MIKE RACH	MASTERTRONIC	£11.99*	1.38	1.20
2	(9) STORMBRINGER	MASTERTRONIC	£11.99	1.38	1.20
3	(11) DARK SIMULATOR	DOSE MASTERS	£7.99*	.98	1.20
4	(10) ULTIMATE SPECTACULAR	ALTERNATIVE	£7.99	.98	1.20
5	(10) FOOTBALL MANAGER	ADDICTIVE	£11.99*	1.38	1.20
6	(7) BRAINCRIME	DOSE MASTERS	£7.99	.98	1.20
7	(9) SPIDERMAN II	MASTERTRONIC	£7.99	.98	1.20
8	(10) BILL ANDERSON	FIREBIRD	£7.99	.98	1.20
9	(NEW) L-BALL	FIREBIRD	£7.99	.98	1.20
10	(10) TRANSMITTER	DOSE MASTERS	£7.99	.98	1.20

PROMO CODE: 11111111

WE STOCK:

- CD
- USA
- CDP
- 32bit
- Books
- Papers
- Spares
- Calibration
- Priorities
- Software
- Electronics

128K

OTHER TITLES WHICH WILL SOON BE AVAILABLE

COMING SOON TO THE 128K

Silence Rider
 Zork
 Provincial
 The Hunt For Red October
 Tax Free
 T-1000
 Little Computer People
 Dark
 Hotel Silver Queen to the Galaxy
 Spitfire 40
 Space Force Carrier
 Flights

In fact we do not have prices, but we will
 definitely let you know as soon as we do.

- Disk drives
- Spectre 400
- Spectre 1000
- Graphic cards
- Basic machines
- Memory upgrades
- Printer
- Parallel port
- Serial interface
- Spectre 1000 +2
- Spectre 1000 +3
- Printer interface
- Keyboard interface



SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL
 128K SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL SPECIAL

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TO 20 Oct

2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000

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 Cartridges.

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DISC PRICE £49.99 INCLUDING TWO CONTROLLERS

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RECOMMENDED



BOOK NOW TO AVOID DISAPPOINTMENT

RECOMMENDED

READERS' LETTERS

Contributed by Olaf Baars (Futura Sinclair User Group).



The SPECTRUM PLUS 3 128K was due to be launched by Amstrad mid-July, according to "POPULAR COMPUTING WEEKLY" dated May 28/JUN 4 1987. This is the 1987 update of the 1986 Plus 2, which was in turn an enhanced version of the machine which introduced some of us to Sir Ian Sinclair and the modern world of computing: the old favourite 1980 colour key Scanner.



The Sinclair ZX Spectrum Plus 3 has been completely redesigned internally. The case is finished in matt black, and is slightly deeper and heavier than that of the Plus 2. The Plus 3 has a 32-key full-travel professional type keyboard. As with the Plus 2, only the major Sinclair Basic functions - LOAD, RUN, CODE - are marked in addition to the QWERTY symbols.

The Amstrad-type 3 inch disc drive has replaced the previous cassette deck which was built in to the Plus 2. This is a single-sided 3 track device using the 40 track side sector, 512 bytes per sector standard Amstrad discs. Total storage is about 1000 per disc. These are the same discs as are used by Amstrad's CPC 6128 and PCV 1280/1600. Loscopic Software wrote the disc operating system for the Plus 3. Having come to an agreement with Zilogic Research, the original publisher of the CP/M operating system, to produce a CP/M implementation for the new system. This will probably mean that data files generated with CPC machines, such as the Amstrad PCV can be read by the Spectrum Plus Three.

Unfortunately, the Basic within the machine is essentially a version of the home yet another original Sinclair Basic. Obviously, Sinclair Basic (not Plus 3 Basic) and the Plus 3's operating system had to be revised to fit the amount of the disc system. Chris Jenkins says in POPULAR COMPUTING WEEKLY 11 MAY-4 JUNE 1987, that "most old BASIC programs should run without modification."

Our neighbours are growing their grass to the various major changes - a Centronics compatible parallel printer at the road, as part has been added, fully supported from the new Plus 3 Basic. For the first time the Spectrum can be connected directly to quality printers without special interfaces or non-standard cables.

Did you know that LPRTN and LLIST were sent to the RS232 serial port on the Plus 2 instead of to the normal printer output, when in 128K mode? I hope this is obvious now on the Plus 3. Until I can afford to upgrade again, I find my trusty 480 printer very handy to run the original programs, and to save them as programs from.

Meanwhile, have you been able to successfully send LLIST or LPRTN out to a parallel printer port, from the Plus 3 in 128K mode? If you or one of your friends have done so, then I and thousands of other Spectrum users would probably be very interested to read of your success, and details of your program in a future newsletter, so please send in your working solutions to ZZ WIZARD/CLUB for publication in newsletters. I would like modifying Basic programs by typing in the commands, while in

128K mode, but the 24 pin SEIKO/MA SL-9321 printer which I purchased from INFORMATION ENTERPRISES recently, uses a parallel input. Unfortunately, 128K printers are fairly good. There also could you get a 24 pin printer, which is also 128K compatible, for under £1000 though?

128K+3 REVIEW

BY JOHN D. HARRIS

MSD-O-TECH

Time here at last! Following is the *Featurestrip*:

The Spectrum has been popular almost from the day it was born, now 3 years later the fame has spread worldwide. Millions of Spectrum owners know the reason:

- * the combination of good colour, creative sound,
- * and great value for money.

With the publication of up-parallelised range of software (See L.R. they will tell You!)

The new SIMPLY SIMPLY in Spectrum Plus 3 128K, (to give the full model) has a few surprises in store for us. The built-in disc drive means that at least a basic standard for the spectrum will be established.

Space will now be used to execute and save programs. Such disk can hold more than 2000 of programs and data, more than enough for a fifty thousand word novel! This means that BASIC passes - similar to the best of the old computers the disc-based programs will be possible.

The great concentrations of the little "Bellies" will get you far. As well as all the extra features, existing Spectrum users have been thought of as well and not just left along the way.

- * An ordinary cassette recorder can be connected to allow full access to the high software base. The Plus 3 has also integrated:
 - Monitor compatibility ROM
 - A channel sound
 - MIDI Port
 - Serial printer interface of the Plus 3 is state of the art the best connected Spectrum yet.
- DA also has the:
 - Joystick ports which are non standard
 - second Disc Drive Port
 - Expansion I/O Port (full 320 bytes)
 - serial printer port.

COMPATIBILITY WITH OTHER SYSTEMS

None of the major changes are found in the line outputs at the rear of the machine. A Centronics compatible parallel printer port has been added

For the first time the Spectrum can be connected directly to quality printers without special interfaces or non-standard cables.

There are two other big differences with previous Spectrums. The first is the RS232C which has been altered so that it will no longer drive synchronous monitors, maybe important if you're using a Spectrum for business or educational purposes.

The second change is more significant. The Epoxy Connector has been altered so that the PP Line no longer exists. This has been used in the past to drive various peripherals like video. There will no longer work with the Plus 3. So if you are up-grading, check your auto save specifications - do they use the PP line? They will not work.

Over the next few issues we'll be looking at the issues raised by the Plus 3 such as compatibility with the small number of 128 programs already released and the update from Plus 2 to Plus 3 owners. So it will be looking at the new Plus 3 and DOS in more depth.

Our final word - GOOD, better, best. The new Spectrum Plus 3 is every bit a Spectrum. It comes from a good family and its basic logic goes further, like the best Spectrum yet!

At our Special introductory offer of £399.95, including the joystick, mouse and 8-page disc, the Plus 3 is priced roughly enough to make the Plus 3 of the Plus 2 with a value proposition. The Recommended Retail of the Plus 3 is £4,099.95, our normal price is £399.95.

INVITATION

We invite you to phone Anne, either on 0208 451 1111, for more information and availability,
or send a S.A.E. & £1 Postal Order for
order forms and brochures of the new
Plus 3.



Software Publishing Ltd : 070907

For all you aspiring Programmers, here is your chance to learn the most widely used Computer programming language in the world, at the unbelieveably low price of only £19.95. This includes a detailed manual, and cassette.

BASIC was developed to make it as easy as possible for people with no previous computer experience to start actually using their computers!

SIMONE has been designed to be a natural starting point for people who want to use more than computers.

Understanding computers is arguably the most important aspect of the new industrial revolution of microelectronics and high technology - "SIMONE BASIC PROGRAMMING ON THE SIMULATOR IN SPECTRUM" is THE key to the world of tomorrow!

Please or come to I.M.'s office to have a look at this wonderful and value for money package

GET MOTIVATED and tell your friends.

We have an EXTRA SPECIAL offer for our friends as well!

We have this program also available for your friends with a BBC computer. The special price is also for them and they don't even have to be a member of the Club!!!

In our opinion this is a really good package and worth its weight in gold for serious computing addicts. It is very well written, with a friendly and lively tone broken up well with exercises, both basic and challenging and has a nice layout. We were very impressed with the standard of content and illustration of it as well, as were also impressed with the straightforward explanation of the methods and feel that something like this is badly needed for the Spectrum.

PROGRAMMING

SOFT. PRICE	£49.95
OFFICIAL PRICE	£51.95
DISC.	£1.00
NET	£41.95
PPD	£1.00
	£31.95

YOU HAVE THE INCREDIBLE AMOUNT OF £11.00 TO ALLOW TO TELL YOUR FRIENDS OF THIS OFFER.

SPECIAL OFFER ONLY VALID FOR THIS MONTH, SO HURRY AND GET THIS PROGRAM.

*****SIMONE AND SIMONE BASIC*****

Special Feature

THIS MONTH'S SPECIAL FEATURE IS ESPECIALLY FOR SPECTRUM 128 OWNERS. THIS IS YOUR SOFTWARE EXCLUSIVE COMPENDIUM FOR THIS MONTH.

	Our Price	RRP £
Never Ending Story	£11.95	£19.95
Knight Trap	£11.75	£19.95
Space Invaders		
Super-Santa	£11.95	£19.95
The Penn	£11.25	£19.95
The Writer	£11.25	£19.95
The Artists	£11.25	£19.95
Spelunker	£11.25	£19.95
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Snooker	£11.25	£19.95
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Includes		
Media Day		
Never Ending Story		
Knight Trap		
Super-Santa		
Wiz At Large		



COOK SOFTWARE LIBRARY

We have noticed that a number of our members have got IBM Spectrum. We'd like to believe one of the majority not get out of being with the Spectrum? Now with the IBM-SIMPLY-SIMPLY you can upgrade your system from IBM to IBM in no time at all. This disc comes with full instructions and a detailed diagram of exactly where to fit the new chips and of course all the chips that you will need for the upgrade.

With your spectrum no longer being part of the minority, you will be able to enjoy the thousands of titles available for the Spectrum, both in Games and Utilities. So before we run out of stock, order your upgrade disc now for the IBM-SIMPLY price of only £19.95, and save yourself the extra cost of having to put it in for you, and at the same time you will be able to enjoy all the new advantages that will become available to you!



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You've known VERBATIM disks for years for their unsurpassed quality and error free operation.

I.B. now brings You these famous and reliable disks at affordable prices and quantity discounts.

I.B. purchased these diskettes at a favorable exchange rate so not only will you receive I.B.'s normal lower price but **BEST** you will also beat the prevailing exchange rates.

SIZE	STK	STY	PRICE	SPECIAL	GST	P&P
VERBATIM	5.25"	10	129.000	144.00	2.84	1.00
VERBATIM	5.25"	20	149.000	164.00	5.62	1.00
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VERBATIM	5.25"	100	189.500	204.50	11.48	2.00

All above are double sided + double density
Fully guaranteed
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Complete with labels, envelopes and bags.

SIZE	STK	STY	PRICE	SPECIAL	GST	P&P
5.25"	10	129.000	138.00	7.20	1.00	
5.25"	20	149.000	158.00	14.38	1.40	
5.25"	50	169.500	178.50	17.85	1.60	
5.25"	100	189.500	199.00	19.90	2.00	

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5.25"	10	129.000	138.00	7.20	1.00	
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1

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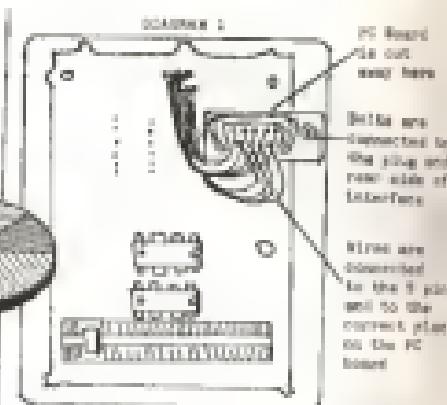
This program is intended to be a subroutine of another program. If so the flag word in line 150 should be substituted with a 0. To sample the user can take from 1 to 14 turns.

Macintoshes who have a 105 character keyboard and a Mac Electronic interface, this article is for you! Courtesy of C. Crawford

These people know that the keypad is higher than the joystick plug. Mr. Stafford made this modification to his interface to allow him to have the interface on the keyboard.

This will require some soldering, some cutting and some wire. The wires will also be needed, but the wires and tools will work better.

THE CLERK ASSUMES NO LIABILITY FOR THE INFORMATION
CONTAINED IN THIS MESSAGE.



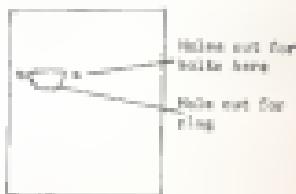
A hole is cut in the P/C board and in the rear side of the interior as shown in Fig.

50

8



Page 10



Section 4

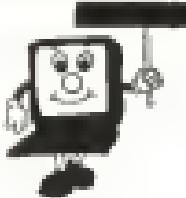


The plug will now be at the rear of the interface and replace the cover.

		PRICE	DISCOUNT
1. THIEF	Game Workshop	\$24.00	\$17.00
FIRST EVER Interactive multi-player Adventure. Excellent, very addictive, 10 in stock.			
2. GOLF-ON-CDS	Software 3	\$16.00	\$14.00
A Breakthrough action Program. 8.5, 9.0, 10.0 Not 10 in stock.			
3. CHASER	Base Software	\$18.00	\$14.00
The game with a difference. Test your spottishness. It will be your quick reaction. Extremely stimulating educational game.	11 in stock.		
4. TRICERATOP	Tomas Software	\$16.00	\$17.00
The Classic programming programme in the Super-Int edition. I still use it and nothing else - Sinclair User 5 Star Rating!	12 in stock.		
5. THE PYRAMIS	Fantasy Software	\$14.00	\$13.00
An exciting single game with a very adventurous feel to it - 100 chambers on 25 levels.	13 in stock.		
6. REVERZ	Sinclair	\$16.00	\$15.00
Also known as Reversi - Lots of pieces	14 in stock.		
Conway Board game - 100/100 game of Strategy			
7. TRICERATOS	Software 3 Software	\$21.00	\$18.00
Excellent User 5 Star Rating.	Stock 5 only		
8. KING OF THE KING	Software House	\$25.75	\$20.00
" Sinclair User Classics "	Stock 10 only		
9. GREEK	Sinclair	\$16.00	\$15.00
Traditional Board Game (10 pieces)	Stock 10 only		
10. THE CRIME-LIN	Fantasy	\$16.75	\$13.00
	Stock 11 only		
11. DEATH STAR INTERCEPTED	Software 3 Software	\$16.00	\$15.00
	Stock 11 only		
12. 3 OF THE BASE	Electric Dreams	\$16.15	\$16.00
	Stock 6 only		
13. JET SET WILLIE	Software Projects	\$21.00	\$18.00
	Stock 7 only		
14. JACKSON'S DRAGON	Hayes	\$26.50	\$18.00
5 Star Rating (Sinclair User)	Stock 7 only		
15. FROG	U.S.R.	\$14.75	\$13.00
	Stock 15 only		
16. PENITENTIARY	Software House	\$22.00	\$14.00
	Stock 13 only		
17. PARADISE JOE	Sinclair	\$14.00	\$12.00
You must guide Paradise Joe through the Extremes to获得Extreme's Treasure Room.			
Adventure Action	Stock 8 only		

CONT. OVER

PTO



			<u>REG</u>	<u>SPECIAL</u>
18. STOMPER	Dragon	18.95	11.50	Dragon 12 only
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20. KICKMASTER	Sinclair	23.95	13.75	Sinclair 12 only
21. PACIFICO	Sinclair	23.95	13.75	Sinclair 12 only
22. DARK WOLF	Sinclair	23.95	13.75	Sinclair 12 only
23. THE GREAT SPACE RACE	Legend	29.00	14.00	Legend 12 only
24. CRASH	Firatrix	23.95	13.75	
				A True-3D-force of perspective graphics with a classical strategy game. "Sinclair Classics" Game 7 only
25. NIGHT LOAD	Ultimate	26.45	16.50	16 tracks Adventure "Sinclair Classics" Games 9 only

PLEASE NOTE that we're a lot off these 12... down 50% for the month of October! Reg. off the cheap have been given 5% discount or Classic Ratings in the SINCLAIR 12's.

UPGRADE YOUR SPECTRUM to 48k

SPECTRUM 48K TO 128K

We still have no definite and confirmed news on the forthcoming upgrade from 48K to 128K but we shall inform you of this the moment we do.

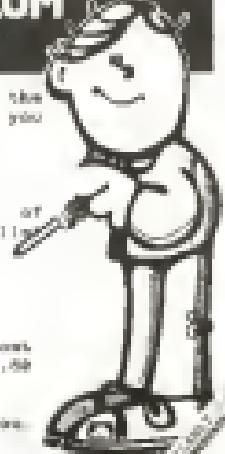
SPECTRUM 128 TO 48K

For all of you with 128 address wanting to take advantage of the wonderful 48K programs advertised here and in our price list we have....

READY UPGRAMES IN DO-IT-YOURSELF KITS

	price	post	post
1 x MEMORY EXPANSION KIT 128K TO 488K	200.00	7.00	1.00

Note: For the faint-hearted until upgrade your machine for you. Just add £5.00 to the above and post to us.



THE ASSOCIATION CLUB WELCOMES THE ARRIVAL OF NEW MEMBERS WHO HAVE JOINED IN RESPONSE TO THE ADVERTISEMENTS IN 'SCOPES' AND 'THE PENSULENT'.

THE 'ASSOCIATION CLUB' MEMBERSHIP AND PAYMENTS MUST BE MADE BY THE PAYMENT DAY FOR ACTIVITIES AS IN 'SCOPES' OR 'THE PENSULENT'.





Talented? Musically frustrated? Read on...

We have several Music Programs available for the beginner. All the programs have been written by professional musicians and programmers and were without any prior knowledge of music you will be able to use these programs.

But, music does not only stop at software on your computer... we have several hardware packages which may be just up your... musical.

This hardware allows you to progress harmonic, composition, maps, solos and whatever and an infinite range of other sounds over a full 8 octaves. Hardware also comes with easy-to-understand user guides, and clear keys.

Sound good and adventurous? Well here follows our price list of all our available musical hardware.

	Unit	Price
Music Typewriter	27.95	34.95
Music Master	27.95	34.95
Three Channel Sound		
Synthesizer	149.95	179.95
Spectrum	149.95	179.95
Speech & Sound	79.95	99.95
Music Receiver	219.95	249.95
Master MIDI Interface	279.95	319.95

Postage on Software \$3.00
Postage on Hardware \$5.00

WE'RE READ IT BEFORE AND WE'LL SAY IT AGAIN

I E WILL READ AND PRICE

EVER THOUGHT OF COMPETITORS WHO ALSO TRYING TO SELL ANY PRICE? I E WILL PRICE CAN NOT PREDICT TO SAY SO IF YOU SEE A PRICE ADVERTISED WHICH YOU THINK IS CHEAPER THAN OURS DON'T BURN OUT AND BUY IT. MANY PEOPLE ARE IN THE PAST ONLY TO FIND THAT I E A PRICE HAS DROPPED IN THE MEAN TIME.
DON'T HESITATE IT - MAKE SURE YOU DON'T!!

YOU WORK HARD FOR YOUR MONEY - YOU HAVE TO SPEND A LOT OF IT TO GET PAYBACK - DON'T THROW ANY OF THE MONEY AWAY

I E DOES NOT HAVE TO RESORT TO TRICKS TO GET YOUR CUSTOM. OUR SPECIAL OFFERS ARE STRAIGHT FORWARD AGAIN

DISCOUNTS

WE HAVE SOME INTEREST AT HEART - WE ONLY WANT WHAT WE CONSIDER TO BE FIRST RATE PRODUCTS



adjusting Sentence



adjusting
Sentence
adjusting
Price
Verdict

DO YOU AGREE WITH
THESE STATEMENTS?

Our President has already found it... What is important to us and how important you are... we will reward you with the sought after award. This award is the chance to write the whole page of the newsletter!

Send in for your process now!

PC ladies can't be good at everything!



PAYING PROBLEMS: CUTTING OUT PAYE
WALK AT THE END OF THE ROAD?

Well, for all those small businesses with tiny problems, we can help you. **Paye** from **MicroSoft** has room for up to 200 employees on a monthly or weekly basis. This program stores the names of your employees, between 10 characters and the monthly/weekly rate of pay for that employee.

The setup option allows you to change the size of employees income, deductions, etc.

DESKTOP PAYE

There is a setup section that allows you to modify the program to suit your payroll requirements.

Available for cassette, microdrive, and the disk interface.

Intermediate breakdown and wages summary.

Prints payrolls on a 22 or 28 column format suitable for all printers.

Normal Price	£9.95
DISC	-£1.00
	£8.95
SPECIAL OFFER	£8.45
DISC	-£0.50
T + T	+£0.50
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£8.45 VAT £1.00
Offer valid until 30/11/87

SOFTWARE NEWS

DATA BASE SYSTEMS

Systems of Applications and Functions written for the MS-DOS 3.0 & 3.1
DIRECT ACCESS TO ALL MEMORY SUB-PAGES

THE FOLLOWING SYSTEMS ARE PROVIDED FREELY TO ALL MEMBERS OF THE DATA BASE SYSTEMS GROUP

SYSTEM	PRICE	DISC	MEMORY	DISK
TYPE	£	£	PRICE	£
1. THE GENERAL LEDGER	£95.	£25.00	£45.00	£25.00
2. THE PAYE ACCOUNTANT	£95.	£25.00	£25.00	£25.00
3. THE INVENTORY	£95.	£25.00	£25.00	£25.00
4. THE STOCK	£95.	£25.00	£25.00	£25.00
5. THE PAYROLL	£95.	£25.00	£25.00	£25.00
6. THE JOB PLANNER	£95.	£25.00	£25.00	£25.00

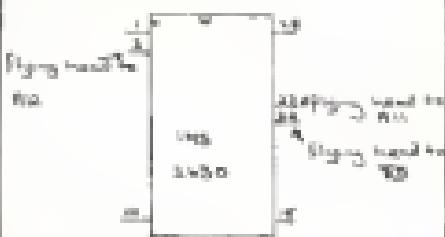
EXPANDING THE MS-DOS

MS-DOS 3.0 RAM EXPANSION

This modification extends memory of a MS-DOS from 4 K to 8 K bytes without using an external memory pack.

Existing memory chips, namely two 2Kx4, are replaced by an 8 K by 4 Kbit dynamic RAM, the INTEGRATED CIRCUIT IC2032.

THE CIRCUIT ACCORDING TO AVAILABILITY FOR THE INTEGRATED CIRCUITS



MOCK SYSTEM IN YOUR POSITION

- Especially for your:
- Spectrum 48K
- Spectrum 128K
- Spectrum 128K+3



Hook up a fast and reliable disk drive to drive to your Spectrum with the following options:

IN THE BODY OF YOUR FRIEND AND THIS
SERIALIZE THE IN PROGRAMS!!!

DATA DISK INTERFACE free Technical Support

- play in one and work like a Dream, reliable, straightforward repair manual.
- guaranteed 3 years
- capacity of working with 3 - 4 floppy drives
- works with a 3.5 or 5.4 or 8 inch drives
- version 4.0 automatically selects drive sizes 320-640 KB track drive gross 128K storage
- works with CGA and APPLE drives, and all PC/PC/AT compatible drives (see end of article)

PRICE R599.00
CPT R599.00
P&P R20.00

TOTAL R619.00



DISKONIC 5000 DISKONIC version 3.1

- double density
- works with all PC/PC/AT compatible drives
- has integrated "magic" copy function
- built-in 300KB INTERFACE
- built-in 160KB INTERFACE
- works in both 300 and 160 modes
- All the silly

PRICE R579.00
CPT R579.00
P&P R20.00

TOTAL R599.00



DISKONIC 1000

- single-density
- double-sided, double-density 30 Track
- PC/PC/AT compatible
- internal, external, and very fast
- bulletin
- especially suited in elegant black case
- current version and Transformer included
- available for 48K, 128K, 128K+3 and 256K

PRICE R499.00
CPT R499.00
P&P R20.00

TOTAL R519.00



ULTRASPEC DRIVE ALTERNATIVE DRIVES FOR YOUR SPECTRUM

DATA DISK INTERFACE 10.1

- Fine 512B memory on board
- Plus 512KB INTERFACE for Parallel Printer
- Compact and slim looks like the Expansion slot of the QL
- Other specs are the same as those of the Data Interface for the Spectrum

PRICE R699.00/1000 INTERFACE including:
CPT R699.00 Printer interface
P&P R20.00 and VAT applied

TOTAL R719.00

DISKONIC 1000 INTERFACE 10.1

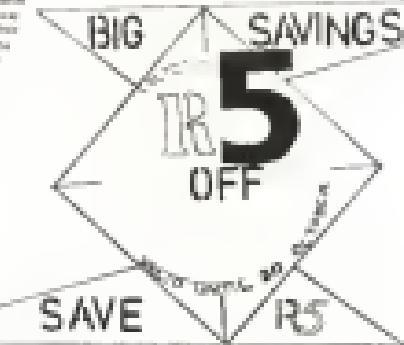
- Double Density
- Storage 128K per diskette
- Other specs are the same as those of the Data Interface for the Spectrum

PRICE R599.00
CPT R599.00
P&P R20.00

TOTAL R619.00

R599.00
SAVE YOU GET OUR SPECIAL INTRODUCTORY OFFER ON THE DISKONIC 10.1 IN THE MAY ISSUE OR THE NEWSLETTER

YOU HAD BETTER LOOK QUICKLY AND
BOOK ONE NOW BEFORE WE RUN OUT
OF STOCK AND YOU WILL BE
DISAPPOINTED



Look NEW & NEWS Look

the software on offer for the Amstrad

TITLE	TYPE	PRICE	CART	PAP	TITLE	TYPE	PRICE	CART	PAP
Cartoon Doctor	Co.	£16.95	3.95	1.20	Save to Earth	PL	£1.50	.30	1.20
Carving Doctor	Co.	£16.95	3.95	1.20	Deathscape	Box	£9.95	3.95	1.20
Armageddon Man	Co.	£17.95	3.95	1.20	Magnum	Box	£9.95	3.95	1.20
Wolf Hunter	Co.	£11.95	3.95	1.20	Metropolis	A	£14.95	4.15	1.20
Home Truth	Box	£9.95	3.95	1.20	Thing Human Park	A	£9.95	3.95	1.20
Shadows of Motor	Ad.	£9.95	3.95	1.20	Arkanoid	A	£9.95	3.95	1.20
Conflict 1	Co.	£9.95	3.95	1.20	Army Men	A	£9.95	3.95	1.20
Battle of Britain					Worms	Box	£9.95	3.95	1.20
Strategy Europe					Leader Board (part 1)	Box	£9.95	3.95	1.20
Brumblode	Co.	£9.95	3.95	1.20	Robot	A	£9.95	3.95	1.20
Conflict 2	Co.	£9.95	3.95	1.20	Monsterbox	A	£9.95	3.95	1.20
Battle for Africa					Tetris	A	£9.95	3.95	1.20
Dev. Jaws					HyperCard	A	£9.95	3.95	1.20
The Archangel	A	£9.95	3.95	1.20	Groups	A	£9.95	3.95	1.20
The Final Battle	Box	£4.95	4.15	1.20	Stalked until dead	A	£9.95	4.15	1.20

KEY

- Co. Strategy Simulation
- Co. Role-play
- Ad. Adventure
- A Arcade
- Box Software, scroll
- Sim. Simulation
- Ad Budget

COMPETITION

Complete the following sentence - The most ingenious invention will get a £10 gift voucher, second prize is £5.00 and third is £2.00. So, lets see what you can come up with!

Crabs of

ARE YOU GOING TO BE SATISFIED WITH 3 INCHES?

I.E. HOW STOKE THE SPECTRUM 128K PLUS 3 WITH ITS BUILT-IN 3.5IN DISK DRIVE. (SEE OUR REVIEW ELSEWHERE IN THIS MAG)

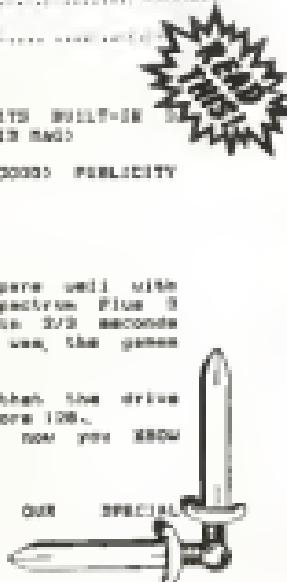
HOWEVER THERE HAS BEEN A LOT OF OTHER (ROSTLY GOOD) PUBLICITY ABOUT THE NEW SPECTRUM

FIT....
...DO YOU KNOW HOW FAST IT WORKS?

The drive is reasonably fast and appears to compare well with other home computer systems on the market. The Spectrum Plus 3 with its 128K memory loads most software tested in 3.5 seconds although at this point the only software tested was the game packages supplied FREE with the computer.

Sinclair User No 88 of September 1987 writes that the drive performs better than the Commodore 64 and Commodore 128. (Four always THOUGHT the Spectrum was better but now you know why?)

LET ROSEY DO TRY IT FOR POSSIBLY - SEE OUR SPECIAL INTRODUCTORY OFFER ON THE SPECTRUM PLUS 3



SCARAB SYSTEMS

and run a serious Radio operator using either RTTY or CW to have a package which will fit just up your sleeve.

We have three packages which will certainly interest the serious operator and are designed to run on the spectrum either with or without a communications board.

Response getting you? Well lets get on with it!

RTTY: The first is for RTTY reception. Under RTTY reception on the Spectrum, this program enables you to join the growing band of RTTY enthusiasts on HF and VHF. The program requires no additional hardware. The tones are fed from the receiver directly to the SAM socket of the computer. Some of the many features include:

- Frequency sweep
- 3 Gray levels
- Loss and Save screen to tape
- Fast screen sweep
- Input analysis routine
- Regular screen
- Adjustable border colour
- Long cassette of RTTY audio pictures available on cassette for CWAT Radio.

RTTY to CWAT

This RTTY program is aimed at the amateur operator and is designed to run with the Communications interface board (see below). It is supplied together with the CW program when the interface board is purchased. The program provides the following features:

- Split-on-Freq
- Type ahead buffer
- Standard real time clock
- 10 Memories
- 2 Registers of 256 characters
- Dialogue options
- Continuous To code
- Shifted on space

The CW program is provided as software support for the board described. It provides an auto-tracking receive program with the ability to run in real time mode. Features also include:

- Special character codes etc
- 10 memories
- Real time clock
- Program configuration
- Dialogue capture
- Price £125.00

COMMUNICATIONS SOFTWARE INTERFACE BOARD

The interface board is designed to enable the Spectrum to receive and transmit data, to be supplied with software for sending and receiving RTTY and CW digital signals. The unit works at the basic levels and requires the addition of a terminal unit such as the SP100.

Features of the board are:

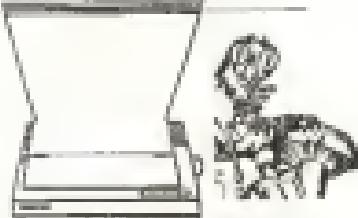
- Three band filters
- Relay driven PTT output
- Logic high and low IEC connection (RAZORSPACE)
- Input-output buffer
- Pulse generated
- RS232-C port for selecting serial rates
- Four Connective softwareless levels (RS232C MODE or DCE/EQUIL)



OFFICIAL OFFER OR PAYMENT FOR 3 CLASS
SPECTRUM COMMUNICATIONS INTERFACE
Boards, QUALITY SOFTWARE, AND
TERMINAL, PAYMENT IN SPECIAL
DRAFTS RECEIVED OVER 6 MONTHS
TO DEPOT, 10% CASH LETTER
QUALITY PREMIUM IS ABSOLUTE
VALUE FOR MONEY.

	SEPT	OCT
1. SPC	£125.00	£125.00
2. SPC CPS	£125.00	£125.00
3. Normal Price RTTY COMM	£125.00	£125.00
4. Your Price under PAYMENT + DCT and Postage	£125.00	£125.00

the Printer is the Selphy SP 100



ANSWER TO SEE THE PRICE LIST ON THE BACK PAGE FOR QUOTED PRICES OF
ITEMS.

COMPUTER CLASSIFIED

12 Minuten, Lieder 1, 3-Minuten-
Sitzung, 12 Minuten Präsentation 30-
minütige Lehrdienst - 100,-DK, Europa-Büro
Spanien - 100,-DK - Tel.: 030/40 (002)
E-mail: info@eurospan.de

For Rate: www.ElectronicsProgrammable.com/parts/Interface.html
Contact: Robert Eppel, P.O. Box 10, West,
Virginia, 26201 USA. PLEASE INCLUDE
RECEIVED NUMBER.

Int. Zeitschr. Spektroskopie 12, 200-202, Berlin-Heidelberg-New York, 1969. Eine Reihe von 12-Acryl- und 12-Methacryl-Substituenten für die Synthese von Polymeren. Software ab200 steht. Computer-und Magnetbandcomputer kompatibel. 12000-120000 Reihen. Chromatograph Filter ab 100-100000 Reihen ab der Preis.

I microdrive 8700.00, 2 InterDisk 3.5 8700.00, 2 quad cartridges, Tassomai 20 and MacTutor 8700.00. All for 8700.00 plus taxes. Send me 8700.00 with instructions. Contact Gary Aragon 10111 North Dixie Drive #1000.

For Sale: Specimen #200 with 1000 feet
of 1/8" diameter 1000 psi cable.
1 1/2" and 2" diameters. 27 1/2' diameter
cartridges. Various gauges
and thicknesses also available. Also
specimen 1000 ft. 2" dia. 1000 psi
cable. Contact Tom Scott at (601)
(221) 0477 or telephone and mail.

I have recently purchased an Abbottsford
CNC and from the Club and am very
impressed with the experience.

But, I have great difficulty in getting my books or magazines to do anything with my computer. There are ten books in particular, one is the *Recital Managed Manual* and the other is the *Arabesque* book, which the firm is already helping us with the purchase of

Would I often participate in joint or committee work with other *Academic experts*?

3. Thank you for your participation.

To whom Mr. T. P. O'Connor
PC Bank 406
Canton, Mass.
1900.

AT LAST! Computers by Post

卷之三十一

Please be kind, making that purchase just as much more expensive for you to leave it until a later date, and guess what, higher prices?

With 1.5, he's going to put you over there
Faster, at the end of the project.

Over the next few months we will be moving to our new factory in Bophuthatswana. One of the legal requirements for selling goods to another country is, guaranteeing payment.

You, you have had opportunity, and purchased
that you make from our factory will have an
OH charged on it. We will, however, still
be keeping our showroom at 47 Wilson Street
in Worcester, and you can go and see our
goods there, but, unfortunately, should you
desire to purchase anything from our Worcester
showroom, there you will have to pay OH.

SO for GANT meetings under through the Project and can will only focus the main GANT.

We have not moved to [Birchmeadow.net](#), but we will inform you as soon as the move has been completed.

Based upon the 2011, now the **continuity plan** book and series.

In our next few issues of the Newsletter, we will be giving you further details on how to order and our address. We keep an eye out for other fiscal announcements, and remember that Computers by Post will keep you prime. That is important for us.

**WE RESERVE THE
RIGHT TO LOWER
PRICES WITHOUT
PRIOR NOTICE AND
REFUND THE
DIFFERENCE OR
QUANTITY AT OUR
PREFERENCE.**



P-050 P-050 P-050 P-050 P-050

**DO YOU WANT TO SAVE MONEY WITH THE
LATEST FAST READING OF THE QUALITY
PRINTER?**

438

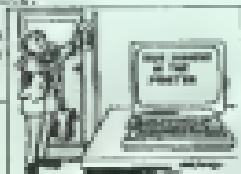
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U.S. DEPARTMENT OF JUSTICE

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• HLR DUMP 00-00-00
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www.english-test.net

PIRELLA AND THE
POLICE COMMUNI-
TY IN MELBOURNE



• 100 •

— 1 —

Please add your responses page 1

through. Step down with the nose
and the tail comes up.

[View Profile](#)

100

the question as to whether
the author is interested in
any particular point or form that
he has chosen.

The project is to design and construct a 12 volt battery system.

The critique of empirical gene
-to-environment study, *Part II*,
pp. 101-110, 1993.

Digitized by srujanika@gmail.com

ANSWER

NAME _____ TEL. _____ MEMBER REF. # _____

111

400-888-8888

10 of 10

To: INFORMATION REQUESTER, P.O. Box 10000, Mexico Park, NM

PURCHASE FOR OWN CONDITIONS OF SALE

SUMTOTAL:

REFERENCES

PHOTO BY ERIC BROWN/THE STAR-TRIBUNE
IN COLOR

• ENTREES •

For more information about the study, contact Dr. Michael J. Hwang at (319) 356-4000 or email at mhwang@uiowa.edu.

TOTAL:

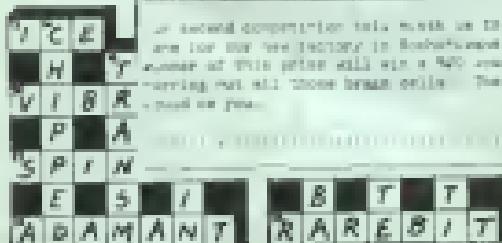
- * POSTAGE & PACKAGING All items registered for your protection. Remember to take your ID to the P.O. Postmaster. No extra per item. First class is U.S. for surface mail, second class air mail.
- * SOFTWARE:
1 TAPE (B118) \$1.00 2 TAPES (B118, B119), 3 OR MORE TAPES
(\$1.00 EA) \$2.00 PAGES (\$1.00 EA) \$2.00
- * HARDWARE:
DATACOMM (100 B118, B230), DISK DRIVE (B100, B230),
EXPANSION CARD (B248-B251), A1 PELLER (B100, B230), TIMER PRINTER
(B144 OR B231) JUSTICE (B1) AND B230) MONITOR (B100, B201, B2)
(\$100 B100) SPECTRUM 1 OR TIME 200 (B210, B230), PAGES NUMBERATE
(\$100 B100), ALL OTHER PARTS (\$100, B230). ELECTRONICS (100 B118,
B230)

You can have goals (targets) - make an application

COMPETITION CORNER



A second competition will be on 12 August and is for the new factory in Borkumstrand. The winner of this prize will win a 400 mark note covering all those bonus odds. The winner need not be present.



The Board where the children are kept
To large ones for greater "What
the world over."